

## **Progress Report**

**Progress Report # 003**

**Reporting Period:** November 1, 2006  
to January 30, 2007

**Submittal Date:** May 15, 2007

**Agreement No:** 05-230-55-0

**Project Name:** ASBS Planning Program - Integrated Coastal Watershed Management (ICWM) Plan

**Contractor Name:** City of Newport Beach

**Program Director/Designated Representative:** Dave Kiff /Robert Stein

### **Summary of Work Completed During This Reporting Period**

<b><u>Task</u></b>	<b><u>Deliverable by Subtask #</u></b>	<b><u>Due Date</u></b>	<b><u>% of Work Complete</u></b>	<b><u>Date Submitted</u></b>
1.0 PAEP, Monitoring Plan, QAPP and CEQA (85% complete)	1.1 Project Assessment and Evaluation Plan 1.2 Monitoring Plan 1.3 Quality Assurance Plan 1.4 California Environmental Quality Act	6/06 10/06 10/06 2/07	100% 100%	
2.0 WORK TO BE PERFORMED BY GRANTEE				
2.1 Plan Preparation Activities (Consultant: Weston Solutions) (100% complete)	2.1.1 Gather Information 2.1.2 ICWMP TAC meetings 2.1.3 Agency meetings 2.1.4 ICWMP timeline 2.1.5 Identify subcontractors	5/06 6/06 6/06 6/06 6/06	100% 100% 100% 100% 100%	9/06    11/06
2.2 Public Use Impact Report (Consultant: Coastal Resources) (15% complete)	2.2.1 Review Background Data and Reports 2.2.2 Public Use Report	6/06 8/07	100% 0%	5/07
2.3 Urban Runoff Flow and Water Quality Assessment (Consultant: Weston Solutions) (15% complete)	2.3.1 Review baseline data (in progress) 2.3.2 Review and collect water quality data (in progress) 2.3.3 Drainage Area Water Quality Assessment Reports	5/06 6/06 7/06	50%	

2.4 Cross-Contamination Impacts (Consultant: Everest International Consultants) (10% complete)	2.4.1 Review previous Newport Coast and Laguna Beach watershed reports	8/06	50%	
	2.4.2 Review existing coastal watershed program, marine habitat sites and monitoring programs	8/06	50%	
	2.4.3 Establish range of loading rates for specific constituents	9/06		
	2.4.4 Review water quality data for CCA #69	8/06		
	2.4.5 Review sediment discharge data	8/06		
	2.4.6 Review longshore current and pollutant transport data	8/06		
	2.4.7 Pollutant Loading Report	10/06		
	2.4.8 Expand GIS database	2/07		
	2.4.9 Prepare the hydrodynamic and water quality model	11/06		
	2.4.10 Estimate typical currents using the model	12/06		
	2.4.11 Prepare a Particle Tracking Analysis	1/07		
	2.4.12 Draft Cross-Contamination Impact Report	2/07		
	2.4.13 Final Cross-Contamination Impact Report	3/07		
2.5 ASBS Research and Data Collection and Pilot Renovation Program (Consultants: Weston Solutions, UCI and Cal-State Fullerton) (10% complete)	2.5.1 Review data from other marine protection areas.	7/06	100%	5/07
	2.5.2 Review flow and water quality report from the Cities of Newport Beach and Laguna Beach	7/06	50%	
	2.5.3 Define a toxicological study	8/06	30%	
	2.5.4 Conduct the toxicological study	5/07		
	2.5.5 Define ASBS baseline information. Prepare a monitoring mitigation plan (MMP). Define a comparison study with a reference ASBS			
	2.5.6 Implement MMP and Comparison Study	11/06		
	2.5.7 Define a Pilot Renovation Experiment	5/07		
	2.5.8 Implement a Pilot Renovation Experiment	9/07		
	2.5.9 Add ASBS's to Mineral Management Services tracking program			

2.6 Coordinate Elements into ICWMP (Consultant: Weston Solutions) (5% complete)	2.6.1 Develop metric	9/06	50%	
	2.6.2 Draft Integrated Coastal Watershed Management Plan (ICWMP)	1/08	10%	
	2.6.3 TAC review of ICWMP			
	2.6.4 Final ICWMP	2/08		
2.7 CEQA Documentation and Permits (Consultants: Cal-State Fullerton and Weston Solutions) (100% complete)	2.7.1 Obtain list of required Permits, CEQA	2/072/07	100%	1/07
	2.7.2 Submit permits, CEQA		100%	
2.8 Community Outreach and Agency Training (City is the lead on this task) (50% complete)	2.8.1 Submit website information	10/07		
	2.8.2 Public Forums	8/07	25%	
	2.8.3 Training Manuals	12/07		

## Introduction

The Work Plan is focused on identifying and quantifying those environmental impacts having the most deleterious effects on the water quality and habitat of the ASBSs and then preparing an Integrated Coastal Watershed Management Plan (ICWMP) to mitigate these deleterious effects.

## **Task Accomplishments (November 1, 2006 to January 30, 2007)**

This section describes specific tasks accomplished during this period.

### **Task 1.0 Project Assessment and Evaluation Plan, Monitoring Plan, Quality Assurance Project Plan and California Environmental Quality Act (Cumulative 85% complete)**

The Quality Assurance Project Plan (QAPP) has been completed and approved for Public Use, Biological Surveys, Bioaccumulation and Restoration Monitoring. This QAPP is an addendum to the original Newport Coast Watershed QAPP. The QAPP includes the PAEP evaluation methodology. Approvals for the QAPP and PAEP were received via email on 1/30/07. Official signatures were completed on 4/6/07 for the QAPP and 4/9/07 for the PAEP.

The Evaluation will be prepared at the end of the assessment.

### **Task 2.1 Plan Preparation Activities (Cumulative 100% complete)**

Weston Solutions has completed gathering existing information on ASBS and created a report entitled "Data Review of Marine Resources in Orange County, California: Relevance to Sampling within Orange County Areas of Special Biological Significance (ASBS)" dated September 2006 (copy attached). This information is included in the draft Watershed Management Plan.

**Task 2.2 Public Use Impact Report (Cumulative 15% complete)**

Rick Ware of Coastal Resources is conducting the Public Use study. A copy of the work plan for conducting the study is attached. The public use studies have commenced at Little Corona and Heisler Park, followed by Crystal Cove and Morning Canyon.

**Task 2.3 Urban Runoff Flow and Water Quality Assessment (Cumulative 15% complete)**

In January, Weston Solutions outplanted mussels in the Little Corona area. These mussels will be collected in June and analyzed for bioaccumulation of constituents of concern.

In May, Weston Solutions collected storm water samples which will be used to re-evaluate potential kelp toxicity due to storm flows.

**Task 2.4 Cross Contamination Impacts (Cumulative 10% complete)**

Everest International Consultants is compiling a water quality list of constituents of concern in Newport Bay. Everest has begun setting up the hydrodynamic model that will be used to numerical transport pollutants from the Bay to the Ocean to predict dilution effects and the resulting pollutant load at the ASBSs.

**Task 2.5 ASBS Research and Data Collection and Pilot Renovation Program (Cumulative 10% complete)**

The SWRCB has reviewed and approved the CEQA documents (Categorical Exemption) for the renovation project. Dr. Jayson Smith, Professor at Cal-State Fullerton, began renovation work during the final week of January.

**Task 2.6 Coordinate Elements into Integrated Coastal Watershed Management Plan (Cumulative 5% complete)**

Weston has begun to incorporate ASBS research into the Newport Coast Integrated Regional Watershed Management Plan which is being structured to include the ICWMP.

**Task 2.7 CEQA Documentation and Permits (Cumulative 100% complete)**

As part of its Pilot Renovation Program, Cal State Fullerton prepared a Categorical Exemption and submitted it to the SWRCB for review. It was approved in January 2007.

**Task 2.8 Community Outreach and Agency Training (Cumulative 50% complete)**

Bob Stein made a presentation entitled "Protecting the ASBSs through Runoff Reduction" at the Ocean Institute in Dana Point on January 17, 2007. He also made a presentation to the City's Bay/Coastal Water Quality Committee meeting on January 11, 2007. This committee is composed of three City Council Members, Orange County Health Care Agency, Orange County Sanitation District, Coastkeepers, Surfriders, Upper Newport Bay Naturalists and Friends and local environmentalists and activists.

**Program Schedule**

There are no changes to the project schedule.

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

**Attachments:**

1. "Data Review of Marine Resources in Orange County, California: Relevance to Sampling Within Orange County Areas of Special Biological Significance (ASBS)" prepared by Weston Solutions
2. "Visitor Use Monitoring Program Research Design" prepared by Coastal Resources